

S E R V I C E N O T E

SUPERSEDES: NONE

E5250A Low Leakage Switch Mainframe

Serial Numbers: JP10C00323/JP10C00483

Solution for the breaking of a relay coil

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Quantity
E5252-66501	Matrix Board (E5252A Matrix Module)	(See note.)
E5255-66501	Multiplexer Board (E5255A Multiplexer Module)	(See note.)

*The quantities depend on the situation.

Continued

DATE: February 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: February 2001	
AUTHOR: TW	ENTITY: 3300	ADDITIONAL INFORMATION:	



Situation:

The relay test fails with the following two symptoms:

- The relay test indicates a normally open relay will not make. (The close test fails.)

--or--

- The relay test indicates a normally closed relay is stuck. (The open test fails.)
- The relay test failure is consistent (not intermittent).

Solution / Action:

Check if a relay coil is broken (open) from the bottom side of the relay card. Typically the resistance is about 1 kohm. In the case of "open" it is usually over 1 mega ohm. If you find a open coil relay, replace the assembly with new assembly.

The failure is caused by the breaking of a relay coil. The breaking usually occurs if water penetrates the filler of the relay and reaches the coil wire, or if corrosive material exists on the surface of the wire. These problems have been corrected by changing the manufacturing processes.